



METROPOLITAN
TRANSPORTATION
COMMISSION

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Memorandum

TO: Air Quality Conformity Task Force

DATE: January 11, 2013

FR: Carolyn Clevenger and Stefanie Hom

W.I.:

RE: Plan Bay Area Modeling Tools

At the January 24, 2013 Air Quality Conformity Task Force meeting, MTC and ABAG staff will provide an overview of the modeling tools used to forecast travel and land use assumptions for Plan Bay Area, the upcoming Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), as well as a brief overview of the preferred land use and transportation network currently under evaluation. The models include:

- **UrbanSim:** Land use simulation model, created by UC Berkeley Professor Paul Waddell, that simulates future urban development patterns;
- **MTC's Travel Model One:** MTC's activity-based travel model that integrates with UrbanSim land use outputs to forecast future travel patterns; and
- **EMFAC2011:** ARB's latest model for estimating emissions from motor vehicles that uses outputs generated by Travel Model One.

Staff will give a high-level presentation on each of the models (see attached); however, the presentation discussion is flexible and can be modified based on the Task Force's interests. Task Force members are encouraged to provide any questions or comments on the models either before or during the meeting.

In addition, staff will present a brief summary of the Jobs-Housing Connection (JHC) and the Transportation Investment Strategy (TIS) approved by the MTC Commission and ABAG Board in July. Together, the JHC and TIS comprise the "draft Plan" currently being evaluated in the programmatic Environmental Impact Report (EIR).

More details regarding the land use and transportation assumptions used as inputs into the models will be discussed at a subsequent Air Quality Conformity Task Force meeting. If you would like more information on the draft Plan and the alternatives being evaluated in the EIR in the meantime, information can be found online on the agenda for the July 19, 2012 Special Joint MTC Commission and ABAG Executive Board Meeting:

http://apps.mtc.ca.gov/meeting_packet_documents/agenda_1882/4_EIR_Alternatives.pdf.

To Join the Meeting:

The meeting will be held in a combined webinar and conference call format.

To view the presentation, please visit the following link during the meeting time:

<https://www1.gotomeeting.com/join/139842648>

To join the conference call and hear the accompanying audio for the presentation, please dial the following:

Conference Call Number: 1.888.273.3658

Access Code: 9427202

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